

# KENWOOD

ASB-1032

## Service Bulletin

Amateur Radio Division

**Subject:** TS-450/690S Low Mic Gain w/DSP-100

**Date:** August 9, 1993

### Symptom:

Proper microphone gain/ALC readings cannot be obtained unless the user adjusts the TX GAIN potentiometer on the rear of the DSP-100. This irregularity is caused by an instability of the DSP-100 MIC amplifier (IC-5).

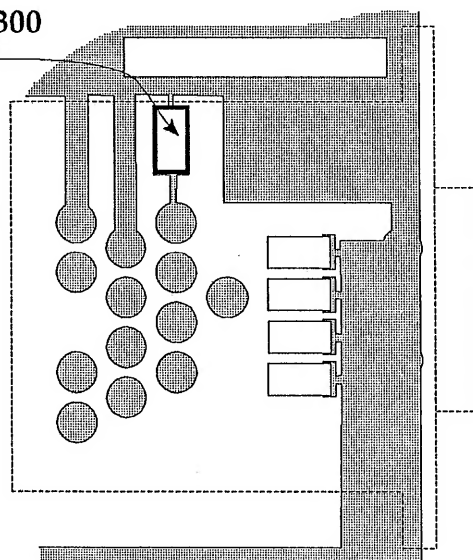
### Corrective Action:

Remove capacitor C200 from the IF unit on the transceiver, and replace it with R300, a chip jumper wire.

### Parts Required:

Qty	Description	Kenwood Part No.	Circuit Description
1	Chip Jumper	R92-0670-05	R300

Replace with R300  
(R92-0670-05)



IF Unit (X48-3090-XX)  
Foil Side View

DSP-3  
Connector

**Caution:** This modification requires soldering equipment rated for CMOS type circuits. It also requires familiarity with surface mount soldering techniques. If you do not have the proper equipment or knowledge do not attempt this modification yourself. Seek qualified assistance.

Time required for this modification is 1 hour or less.

Service code A:35 B:X48-3090 C:R300 D:91